FIG. 1

PRIOR ART

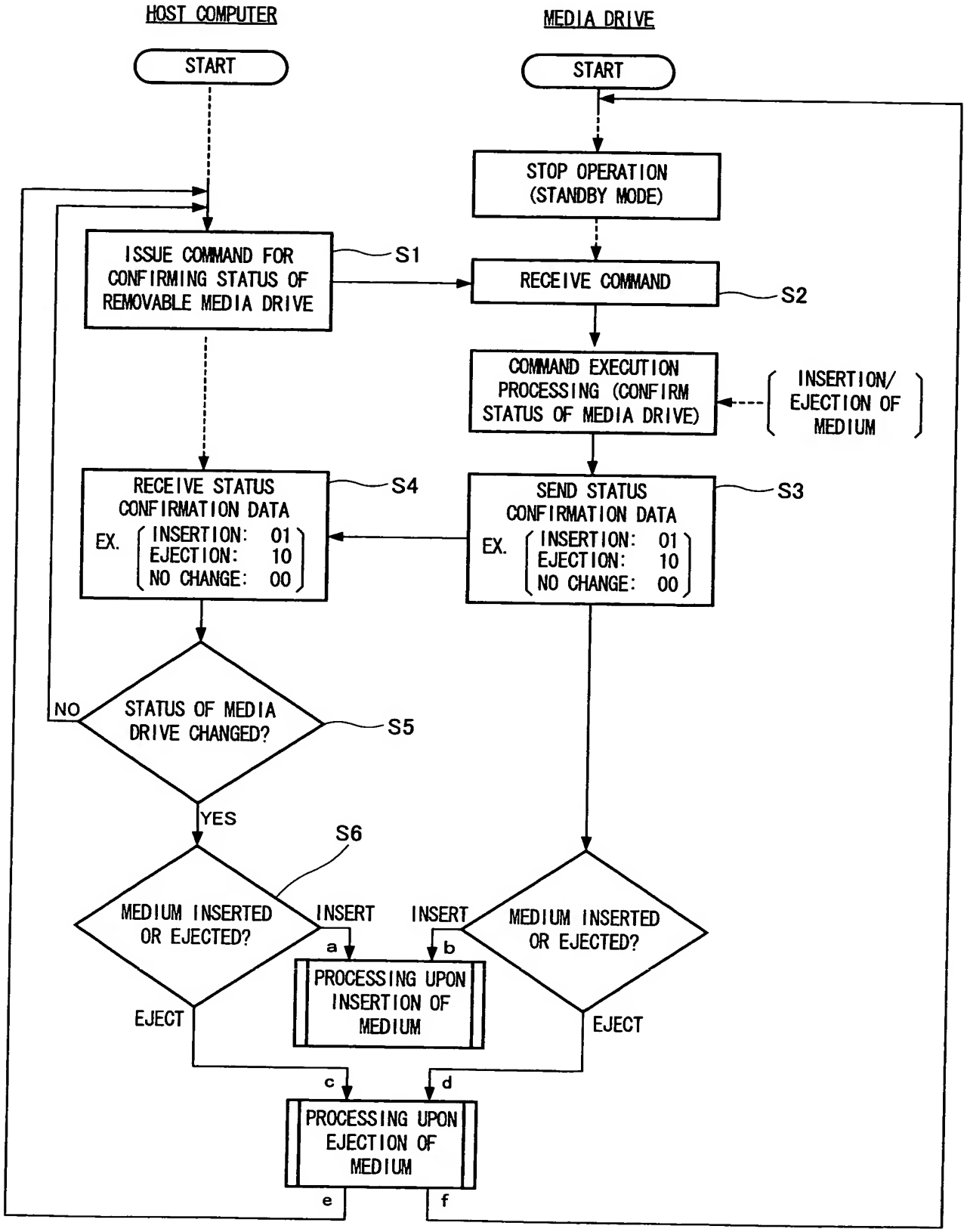


FIG. 2A PRIOR ART

PROCESSING UPON INSERTION OF MEDIUM

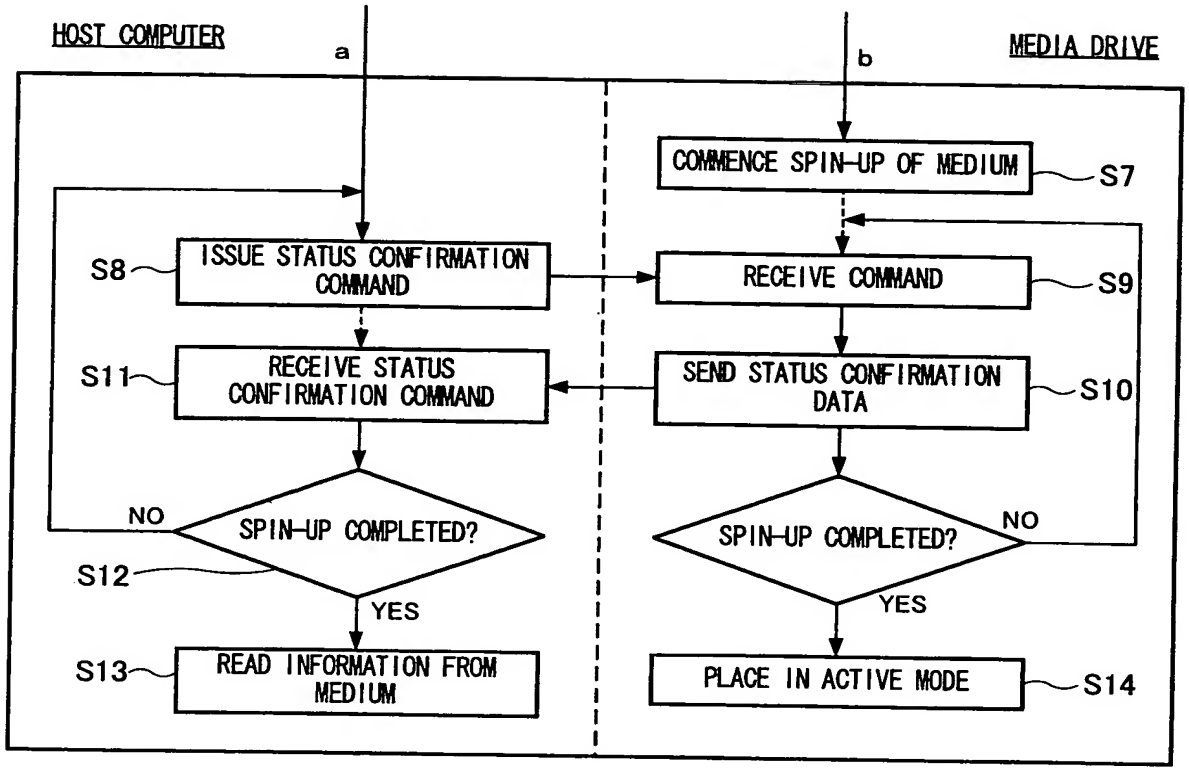


FIG. 2B PRIOR ART

PROCESSING UPON EJECTION OF MEDIUM

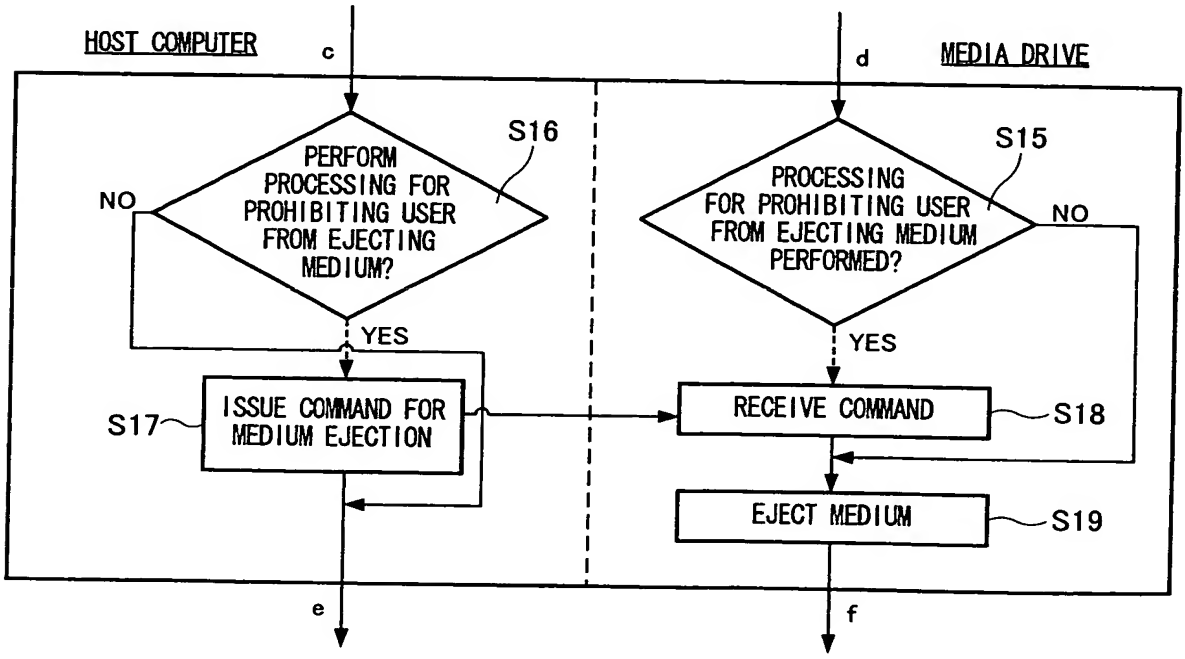


FIG. 3

PRIOR ART

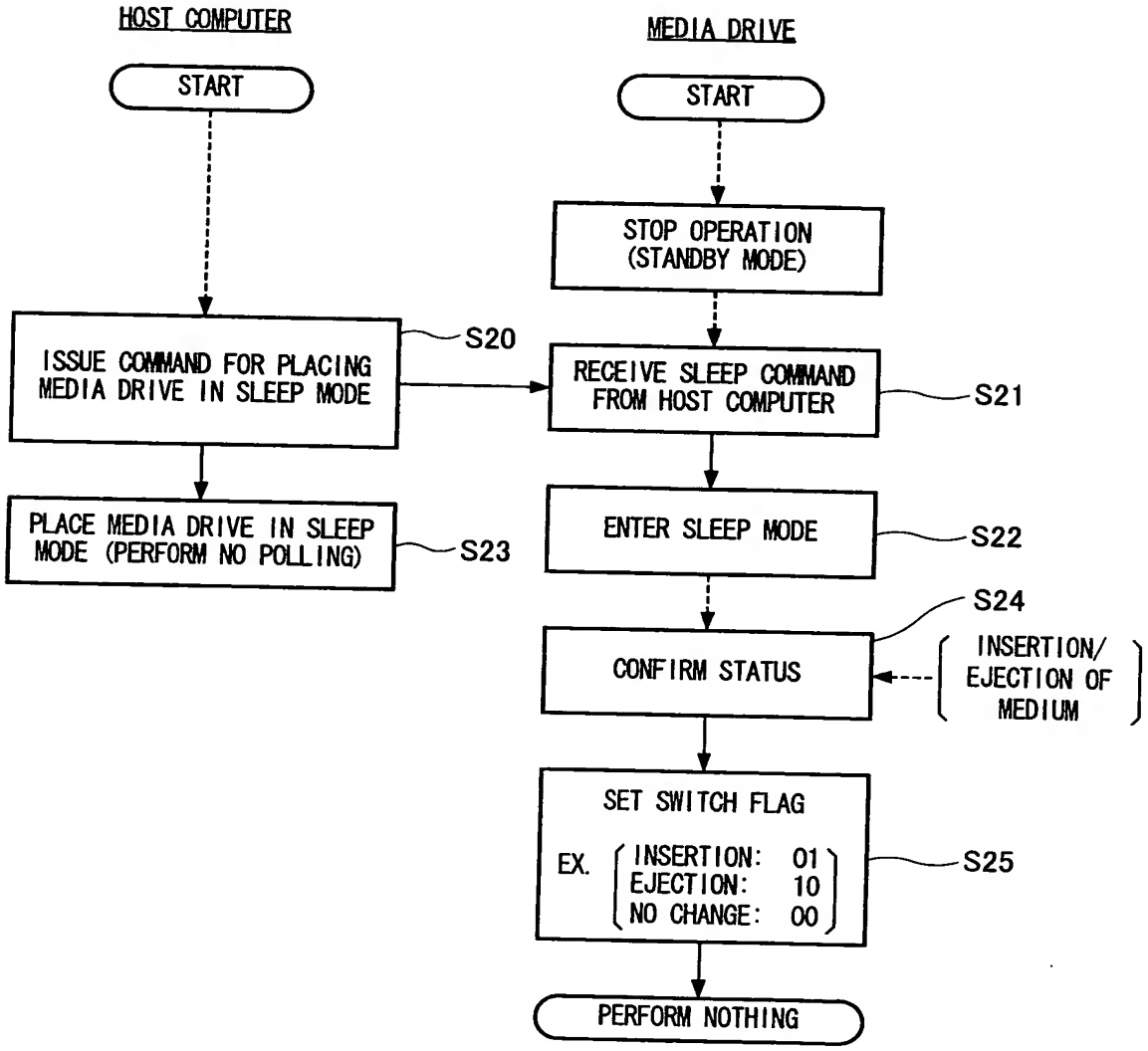


FIG. 4

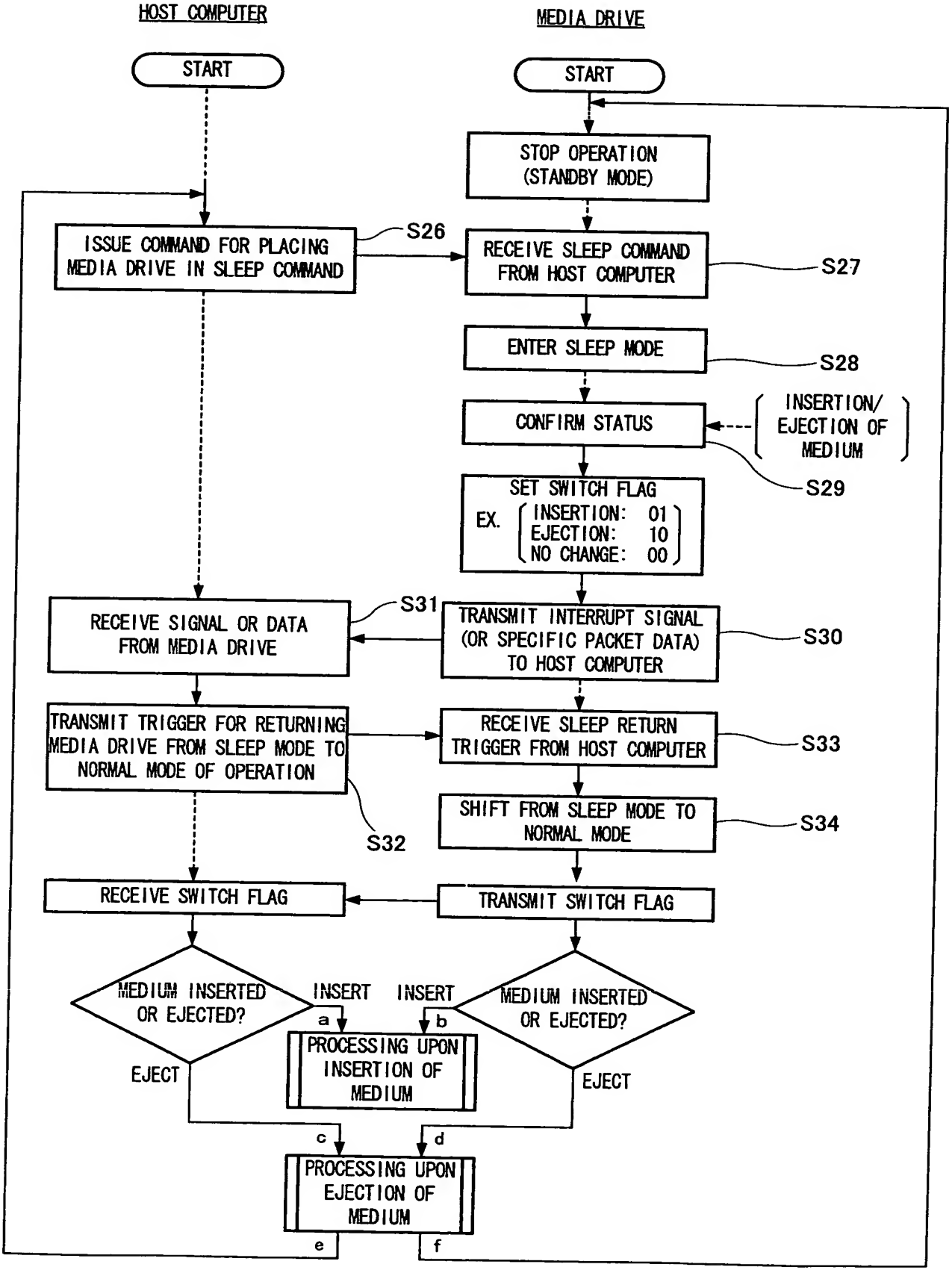

HOST COMPUTER
MEDIA DRIVE
START
START
STOP OPERATION (STANDBY MODE)
ISSUE COMMAND FOR PLACING MEDIA DRIVE IN SLEEP COMMAND
S26
RECEIVE SLEEP COMMAND FROM HOST COMPUTER
S27
ENTER SLEEP MODE
S28
CONFIRM STATUS
INSERTION/ EJECTION OF MEDIUM
S29
SET SWITCH FLAG
EX. INSERTION: 01
EJECTION: 10
NO CHANGE: 00
RECEIVE SIGNAL OR DATA FROM MEDIA DRIVE
S31
TRANSMIT INTERRUPT SIGNAL (OR SPECIFIC PACKET DATA) TO HOST COMPUTER
S30
TRANSMIT TRIGGER FOR RETURNING MEDIA DRIVE FROM SLEEP MODE TO NORMAL MODE OF OPERATION
S32
RECEIVE SLEEP RETURN TRIGGER FROM HOST COMPUTER
S33
SHIFT FROM SLEEP MODE TO NORMAL MODE
S34
RECEIVE SWITCH FLAG
TRANSMIT SWITCH FLAG
MEDIUM INSERTED OR EJECTED?
INSERT
INSERT
MEDIUM INSERTED OR EJECTED?
a
b
PROCESSING UPON INSERTION OF MEDIUM
EJECT
EJECT
c
d
PROCESSING UPON EJECTION OF MEDIUM
e
f

FIG. 5

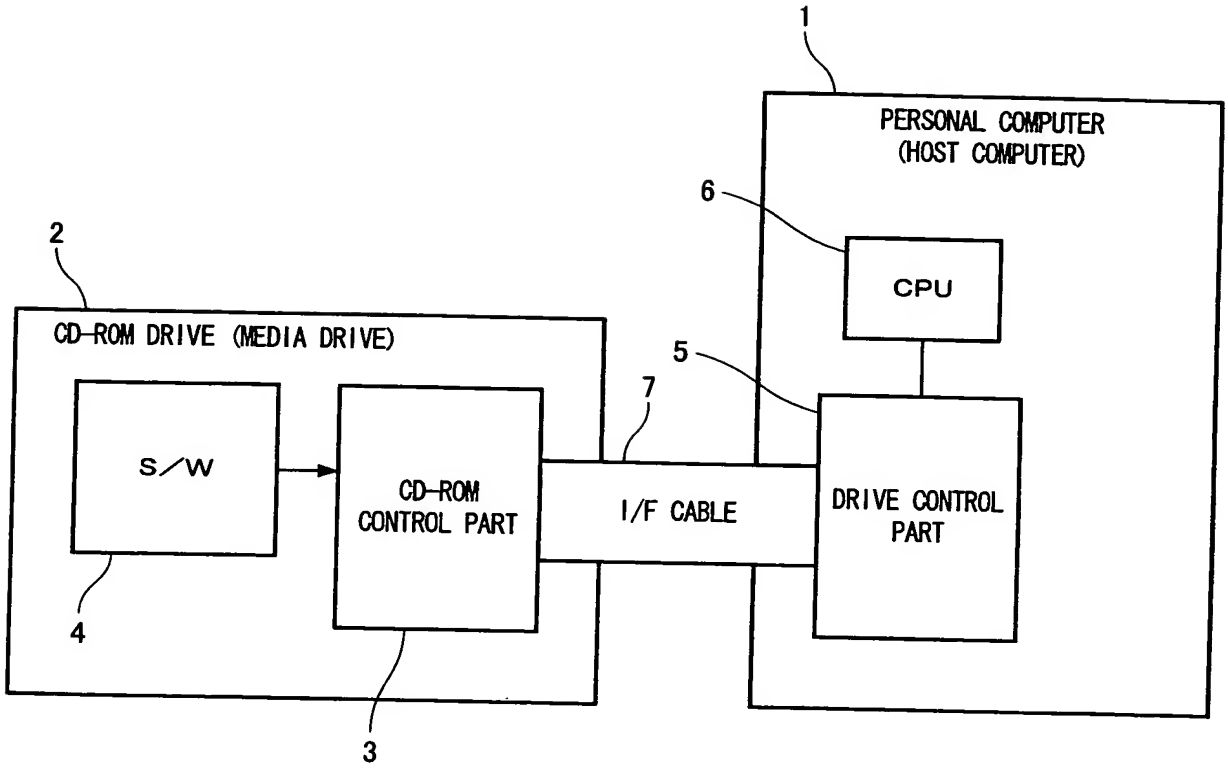
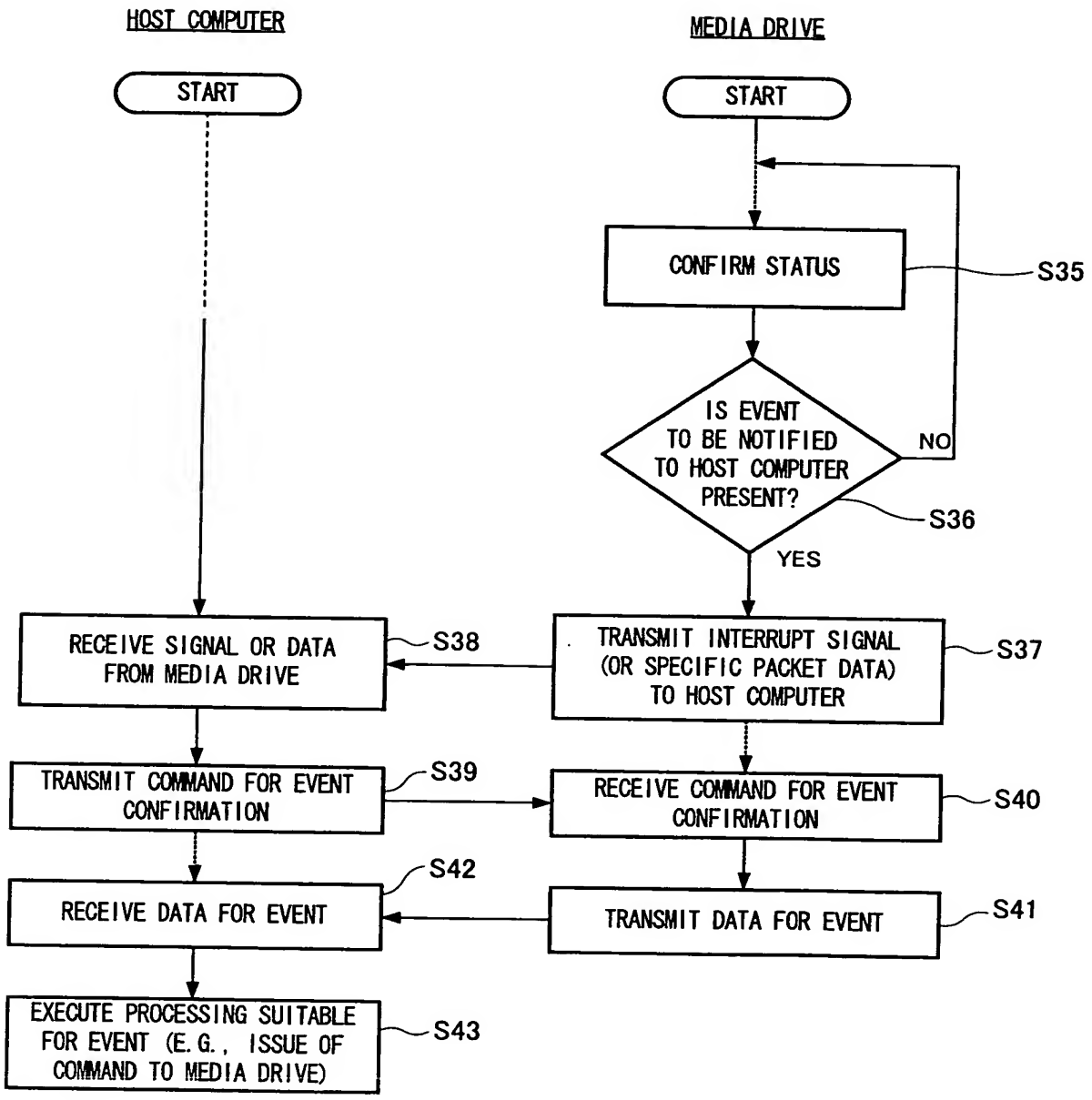

1
PERSONAL COMPUTER
(HOST COMPUTER)
6
CPU
2
CD-ROM DRIVE (MEDIA DRIVE)
5
7
S/W
CD-ROM
CONTROL PART
I/F CABLE
DRIVE CONTROL
PART
4
3

FIG. 6


HOST COMPUTER
MEDIA DRIVE
START
START
CONFIRM STATUS
S35
IS EVENT TO BE NOTIFIED TO HOST COMPUTER PRESENT?
NO
S36
YES
RECEIVE SIGNAL OR DATA FROM MEDIA DRIVE
S38
TRANSMIT INTERRUPT SIGNAL (OR SPECIFIC PACKET DATA) TO HOST COMPUTER
S37
TRANSMIT COMMAND FOR EVENT CONFIRMATION
S39
RECEIVE COMMAND FOR EVENT CONFIRMATION
S40
RECEIVE DATA FOR EVENT
S42
TRANSMIT DATA FOR EVENT
S41
EXECUTE PROCESSING SUITABLE FOR EVENT (E.G., ISSUE OF COMMAND TO MEDIA DRIVE)
S43